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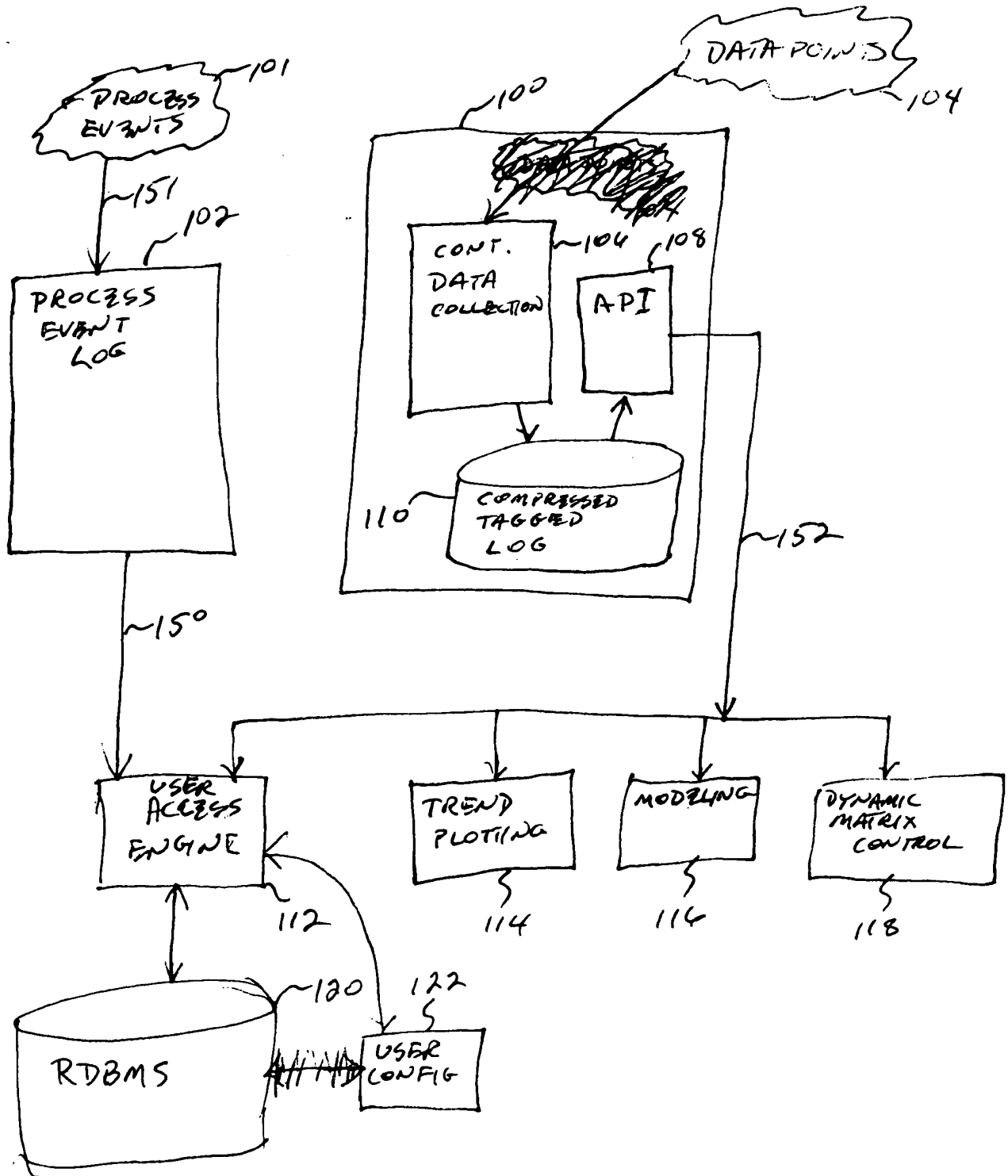
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FIG 1  
(PRIOR ART)



66640-28920E60

FIG 2

NAME BOXES  
DASHED  
LINES

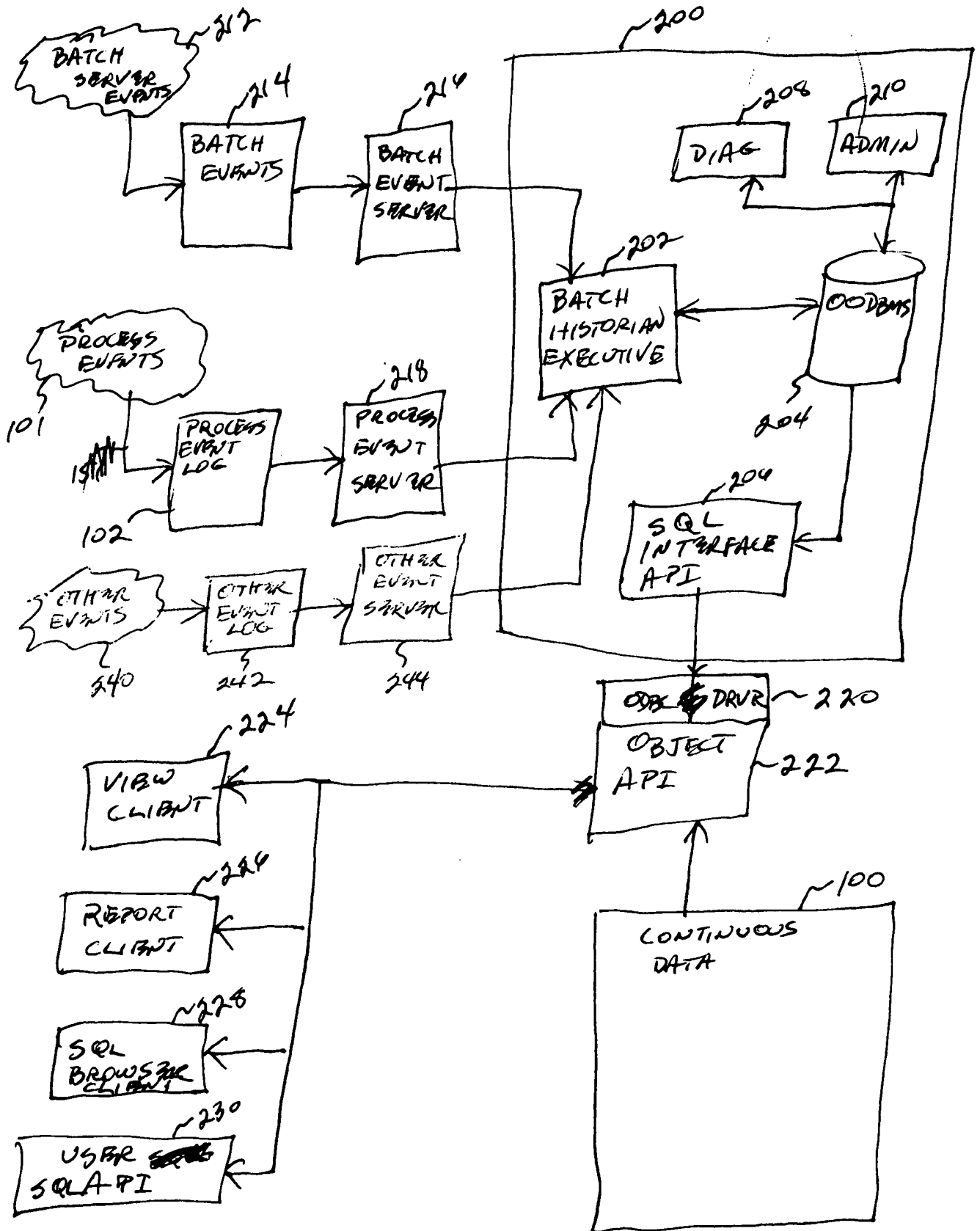
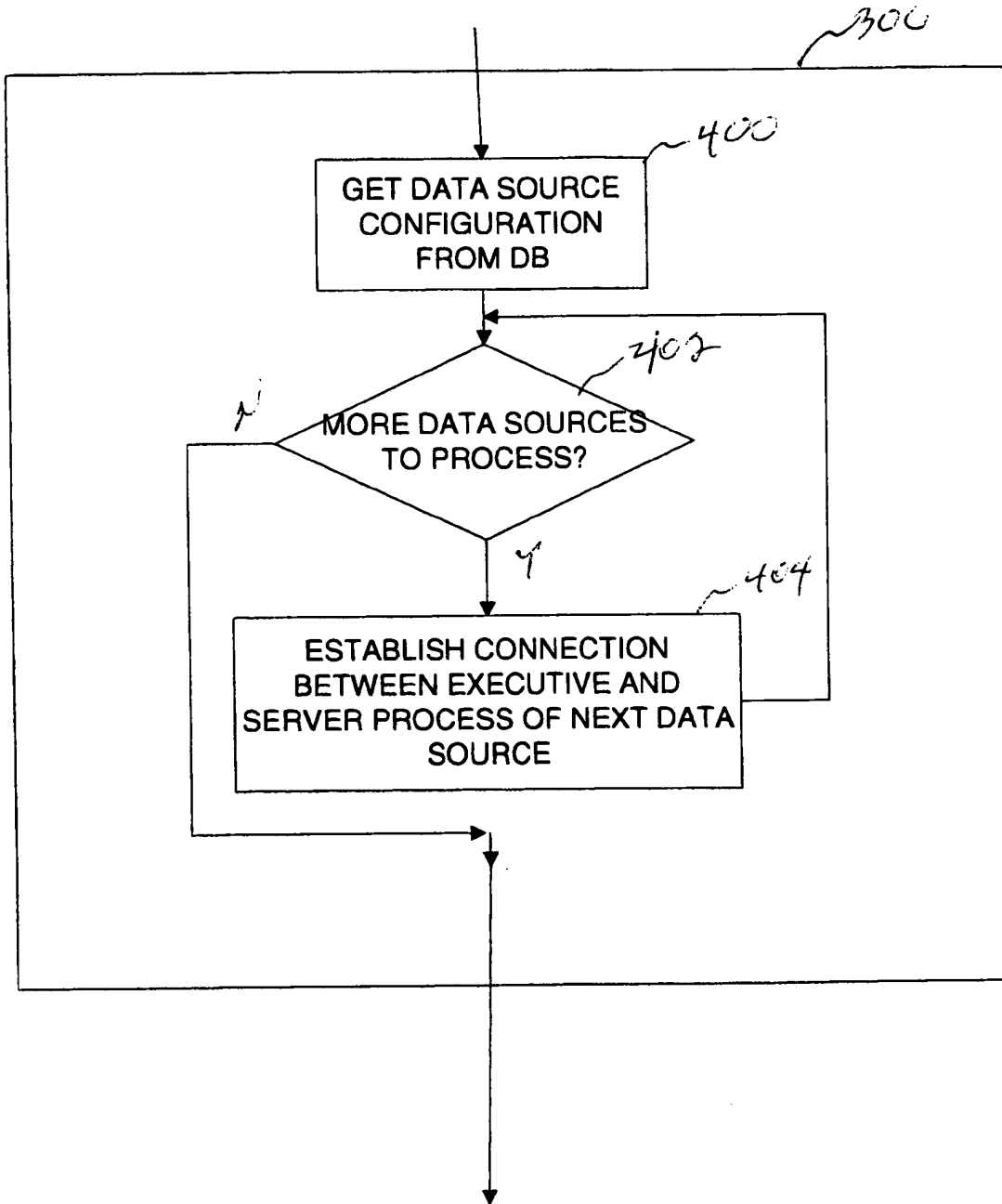




FIG 4



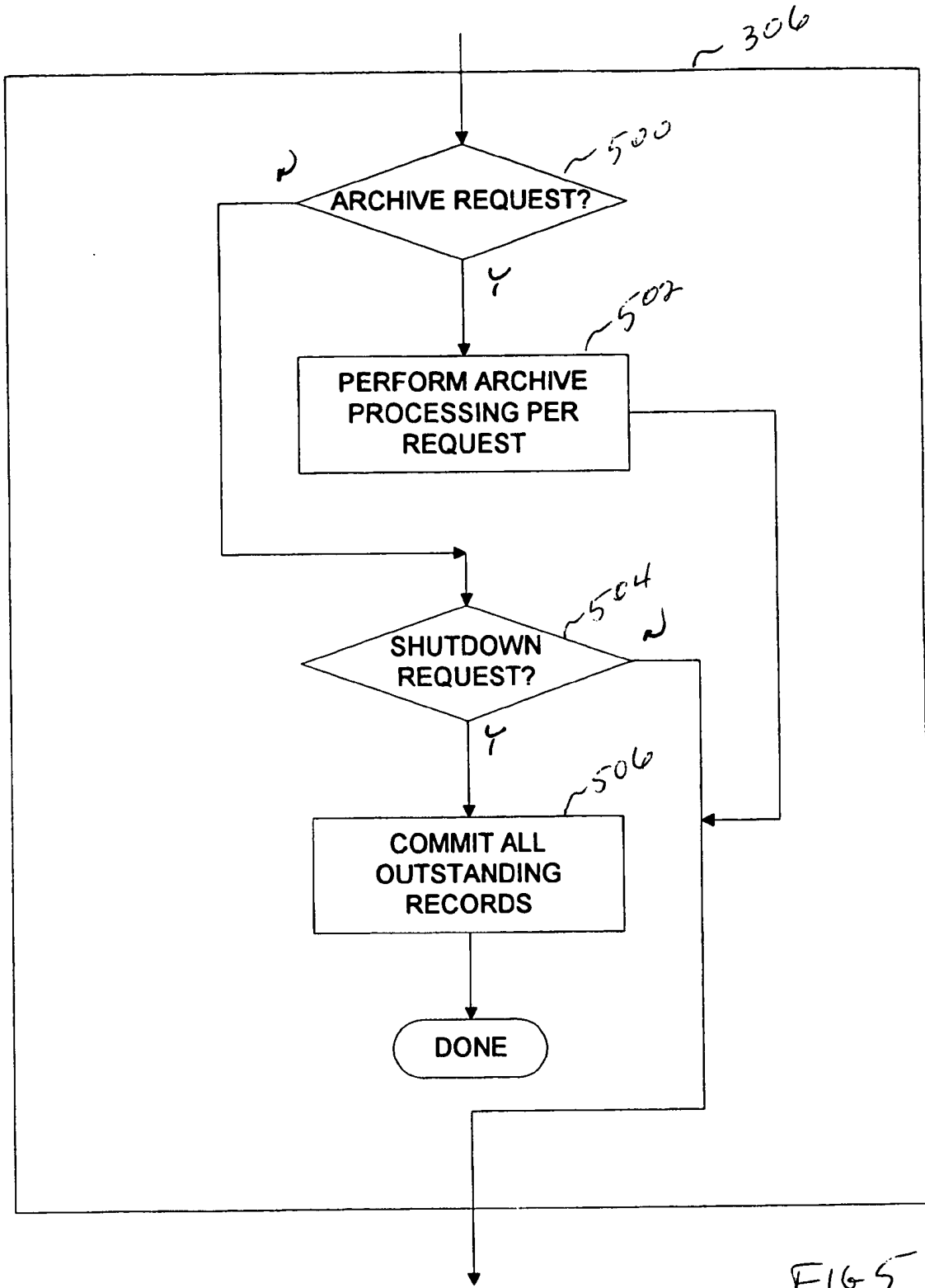
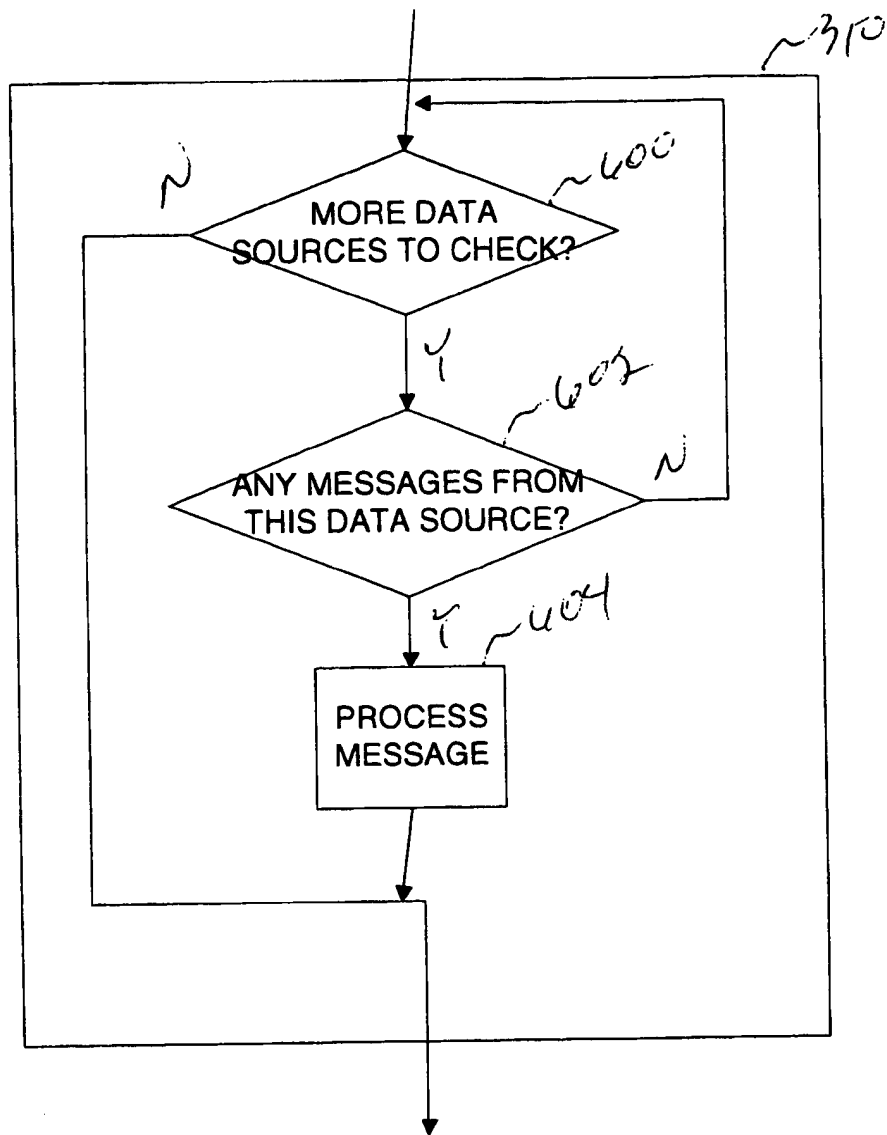
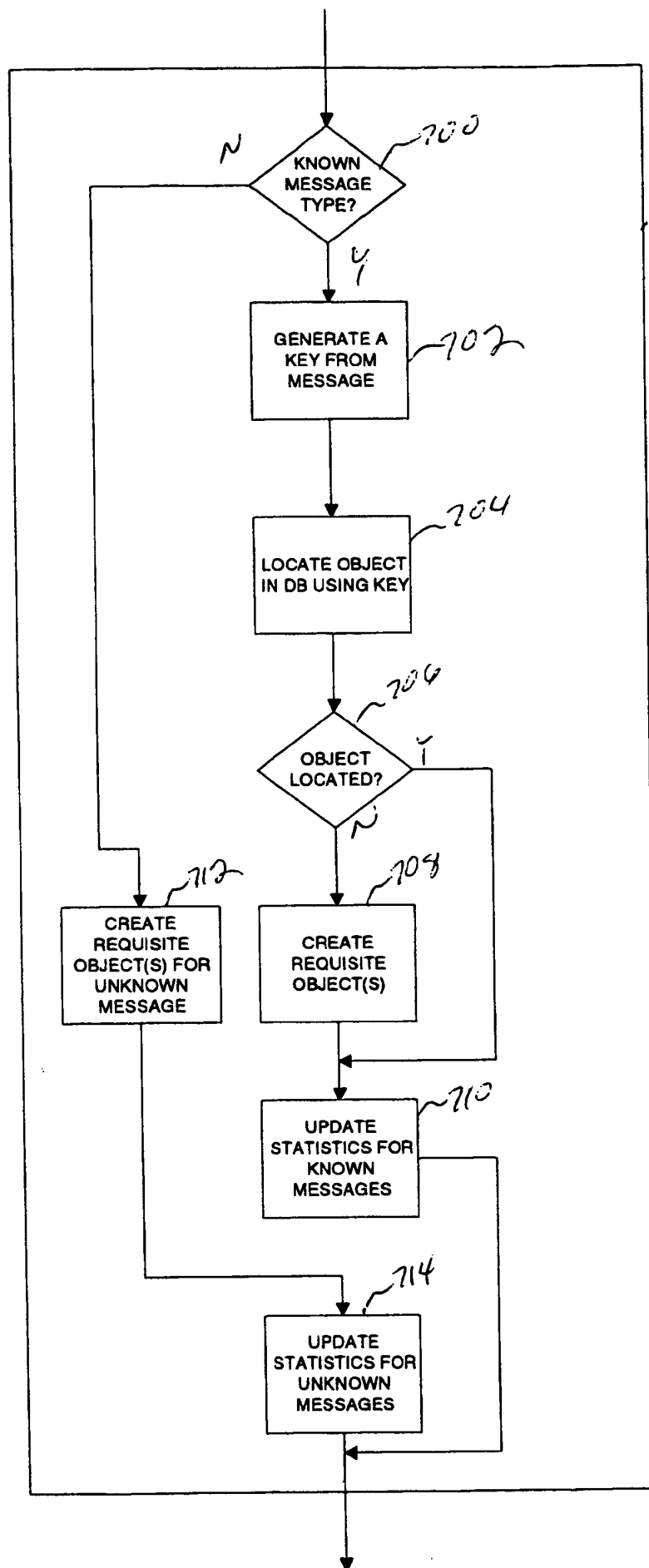


FIG 5

[illegible]

File 4.

0930687-042660



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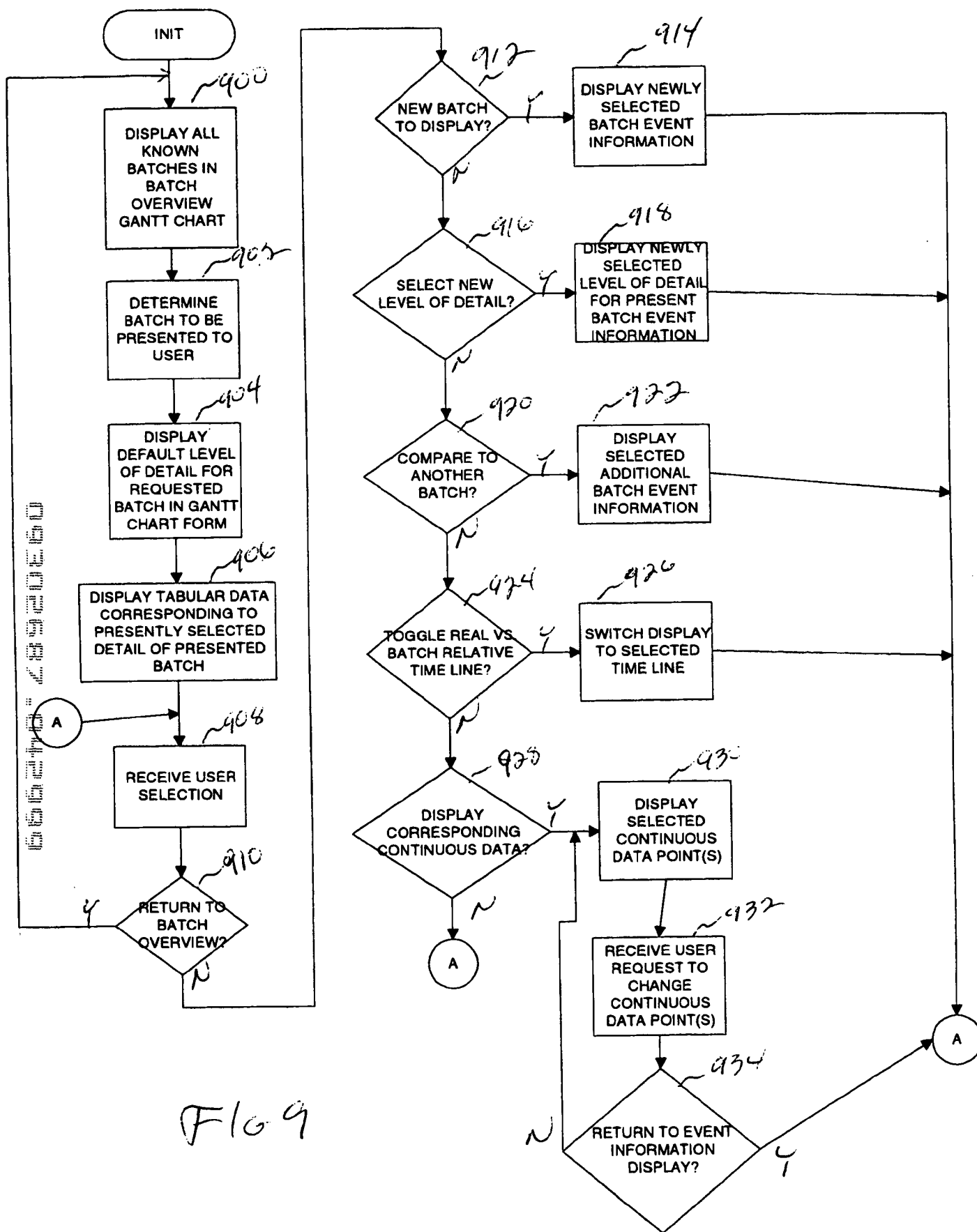


FIG 9

# Batch Overview Chart

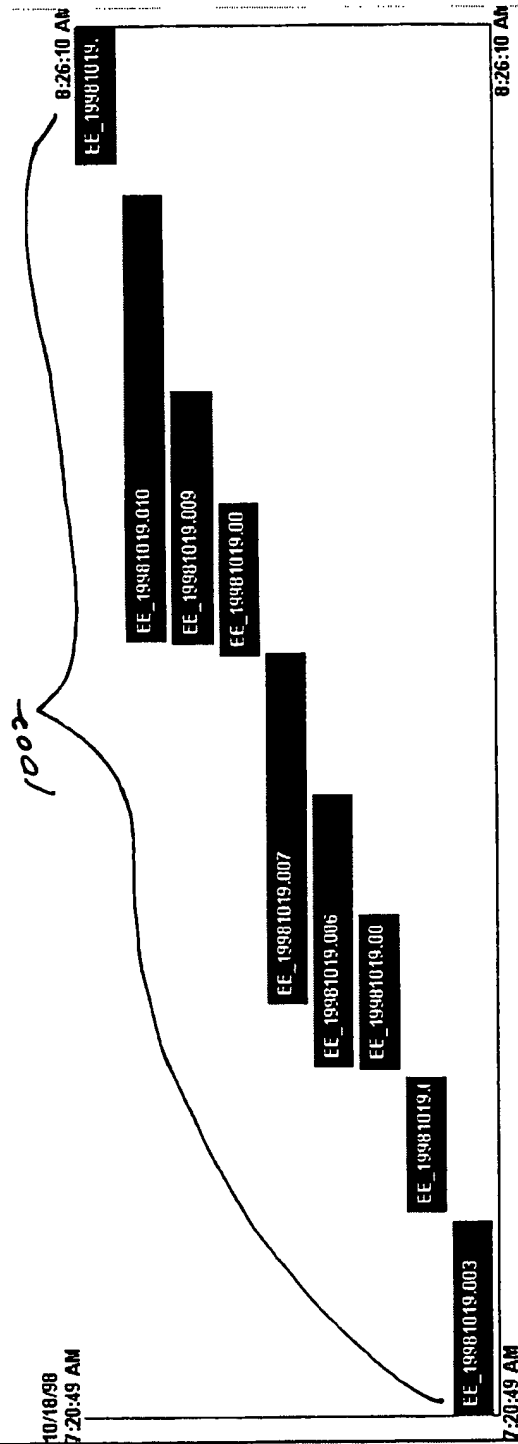
FIG 10

Batch History View - [Batch Overview]

File Edit View Batch Process Graph Export Application Window Help

Default

Batch Overview for Oct. 18, 1998



Batch Id

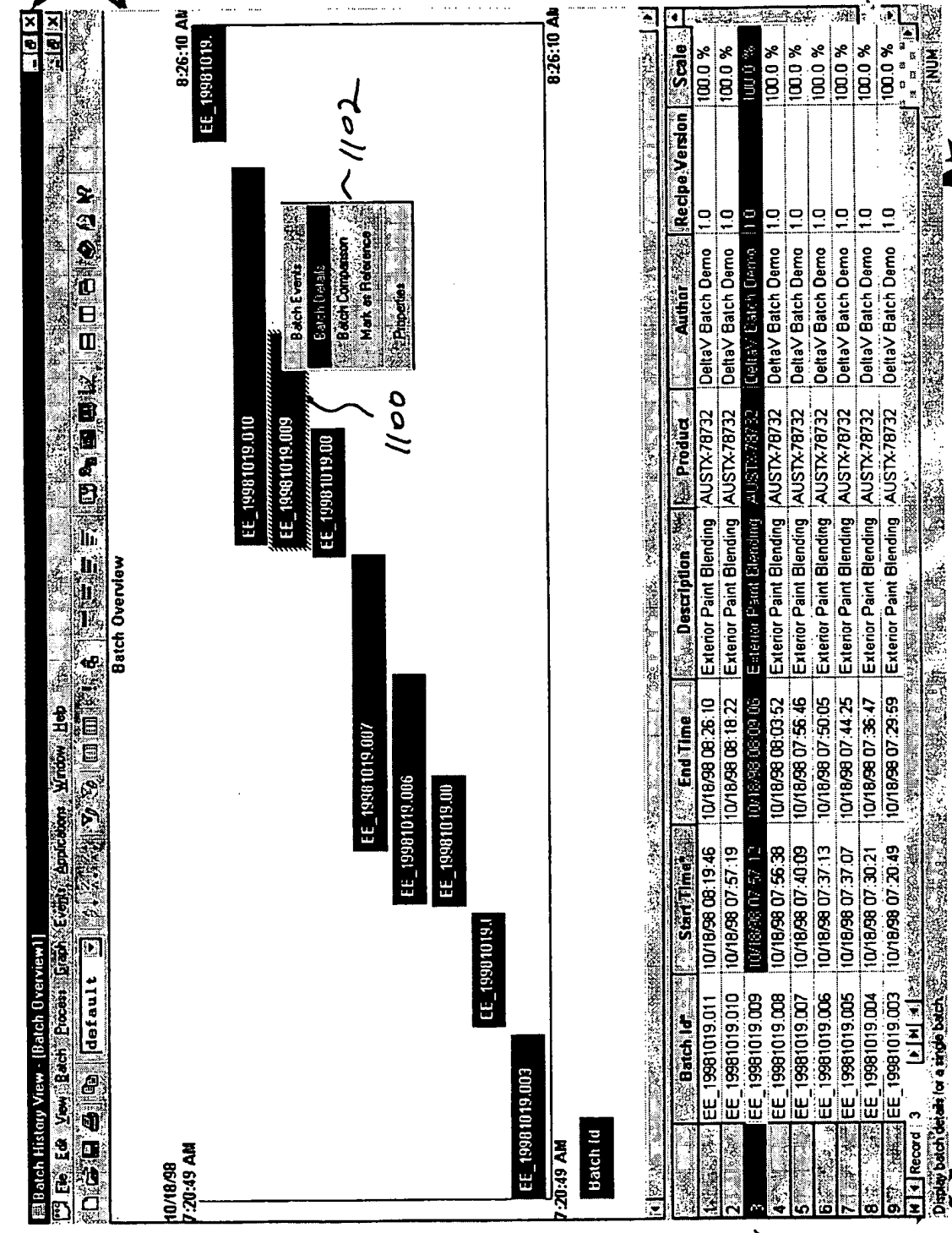
Batch Id	Start Time	End Time	Description	Product	Author	Recipe Version	Scale
EE_19981019.011	10/18/98 08:19:46	10/18/98 08:26:10	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.010	10/18/98 07:57:19	10/18/98 08:18:22	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.009	10/18/98 07:57:12	10/18/98 08:09:06	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.008	10/18/98 07:56:38	10/18/98 08:03:52	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.007	10/18/98 07:40:09	10/18/98 07:56:46	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.006	10/18/98 07:37:13	10/18/98 07:50:05	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.005	10/18/98 07:37:07	10/18/98 07:44:25	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.004	10/18/98 07:30:21	10/18/98 07:36:47	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.003	10/18/98 07:20:49	10/18/98 07:29:59	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %

10/18/98 8:26:59 AM

09302637 - 04-29-99

4

FIG 11



09302687 - 042999

5

# Batch Detail Chart

FIG 12

Batch History View - (LF\_19981019.009 - Batch Details)

EE\_19981019.009

10/18/98 7:57:12 AM

8:01:10 AM 8:05:08 AM 8:09:06 AM

default

EE\_19981019.009

1200

10/18/98 7:57:12 AM

8:01:10 AM 8:05:08 AM 8:09:06 AM

EE\_19981019.009

1202

EXTERIOR\_ENAMEL

UP\_SEND\_BA UP U 31204

OP\_SEND\_BA OP O 31204

XFER:1 DUMP DU 31208

UP\_CHRG\_BLDN\_STRG:11

OP\_RCV\_BAS OP O OP\_RCV\_CLR:1

CHARGE\_BAS CHA CH CHARGE\_COLOR:11

OP\_MAN\_ADDITION OP\_TPR\_TO\_STRG:11

MAN\_INGRD\_ADDITL AGITAT DRAIN:1

1200

1202

1214

10/18/98 7:57:12 AM

8:01:10 AM 8:05:08 AM 8:09:06 AM

EE\_19981019.009

1216

Batch Id	Action Type	Start Time	End Time	Activate time	Deactivate time	Procedure
EE_19981019.009	phase	10/18/98 08:06:41	10/18/98 08:09:05	10/18/98 08:06:41	10/18/98 08:09:05	EXTERIOR_ENAMEL
EE_19981019.009	phase	10/18/98 08:05:54	10/18/98 08:06:41	10/18/98 08:05:54	10/18/98 08:06:41	EXTERIOR_ENAMEL
EE_19981019.009	operation	10/18/98 08:05:54	10/18/98 08:09:05	10/18/98 08:05:54	10/18/98 08:09:05	EXTERIOR_ENAMEL
EE_19981019.009	phase	10/18/98 08:04:09	10/18/98 08:05:54	10/18/98 08:04:09	10/18/98 08:05:54	EXTERIOR_ENAMEL
EE_19981019.009	operation	10/18/98 08:04:09	10/18/98 08:05:54	10/18/98 08:04:09	10/18/98 08:05:54	EXTERIOR_ENAMEL
EE_19981019.009	phase	10/18/98 08:03:52	10/18/98 08:04:09	10/18/98 08:03:52	10/18/98 08:04:09	EXTERIOR_ENAMEL
EE_19981019.009	operation	10/18/98 08:03:52	10/18/98 08:04:09	10/18/98 08:03:52	10/18/98 08:04:09	EXTERIOR_ENAMEL
EE_19981019.009	unitprocedure	10/18/98 08:03:52	10/18/98 08:04:09	10/18/98 08:03:52	10/18/98 08:04:09	EXTERIOR_ENAMEL
EE_19981019.009	phase	10/18/98 08:00:36	10/18/98 08:04:09	10/18/98 08:00:36	10/18/98 08:04:09	EXTERIOR_ENAMEL
EE_19981019.009	operation	10/18/98 08:00:36	10/18/98 08:04:09	10/18/98 08:00:36	10/18/98 08:04:09	EXTERIOR_ENAMEL
EE_19981019.009	phase	10/18/98 08:00:14	10/18/98 08:00:37	10/18/98 08:00:14	10/18/98 08:00:37	EXTERIOR_ENAMEL
EE_19981019.009	operation	10/18/98 08:00:14	10/18/98 08:00:37	10/18/98 08:00:14	10/18/98 08:00:37	EXTERIOR_ENAMEL

10/18/98 8:05:08 AM

Record 1

NUM

1220

00302537 - 042999

FIG 13

Batch History View - [EE_19981019_009 - Batch Details]									
Batch	Batch ID	Action Type	Start Time	End Time	Procedure	Unit	Phase	Module	NUM
9	EE_19981019_009	phase	10/18/98 08:00:36	10/18/98 08:04:09	EXTERIOR_ENAMEL	BLENDER 600		CHGC_BUND600	
10	EE_19981019_009	operation	10/18/98 08:00:36	10/18/98 08:04:09	EXTERIOR_ENAMEL	BLENDER 600			
11	EE_19981019_009	phase	10/18/98 08:00:14	10/18/98 08:00:37	EXTERIOR_ENAMEL	COLOR 200		DUMP_CLR200	
12	EE_19981019_009	operation	10/18/98 08:00:14	10/18/98 08:00:37	EXTERIOR_ENAMEL	COLOR 200			
13	EE_19981019_009	unitprocedure	10/18/98 08:00:14	10/18/98 08:00:37	EXTERIOR_ENAMEL	COLOR 200		CHGC_BUND600	
14	EE_19981019_009	phase	10/18/98 08:00:14	10/18/98 08:00:36	EXTERIOR_ENAMEL	BLENDER 600			
15	EE_19981019_009	operation	10/18/98 07:59:41	10/18/98 08:00:14	EXTERIOR_ENAMEL	BLENDER 600		CHGC_BUND600	
16	EE_19981019_009	phase	10/18/98 07:59:41	10/18/98 08:00:14	EXTERIOR_ENAMEL	BLENDER 600			
17	EE_19981019_009	operation	10/18/98 07:59:39	10/18/98 08:00:14	EXTERIOR_ENAMEL	COLOR 100		DUMP_CLR100	
18	EE_19981019_009	phase	10/18/98 07:59:39	10/18/98 08:00:14	EXTERIOR_ENAMEL	COLOR 100			
19	EE_19981019_009	operation	10/18/98 07:59:39	10/18/98 08:00:14	EXTERIOR_ENAMEL	COLOR 100			
20	EE_19981019_009	unitprocedure	10/18/98 07:59:39	10/18/98 08:00:14	EXTERIOR_ENAMEL	COLOR 100		CHGC_BUND600	
21	EE_19981019_009	phase	10/18/98 07:59:24	10/18/98 07:59:41	EXTERIOR_ENAMEL	BLENDER 600			
22	EE_19981019_009	phase	10/18/98 07:59:24	10/18/98 07:59:39	EXTERIOR_ENAMEL	BASE 400		XFER_BASE400	
23	EE_19981019_009	operation	10/18/98 07:59:24	10/18/98 07:59:39	EXTERIOR_ENAMEL	BASE 400			

09302637 - 042099

# Batch Event Table

F1614

Batch History View - [EE\_19981019.009 - Batch Events]

File Edit View Batch Events Applications Window Help

default

Event Type	Event Desc	Time	Process Call	Unit	Phase Module
1 State Change	State Changed: IDLE	10/18/98 08:04:09	PAINT_BLEND	BLENDER_600	CHGC_BUND600
2 State Change	State Changed: COMPLETE	10/18/98 08:04:08	PAINT_BLEND	BLENDER_600	CHGC_BUND600
3 Report	ACTUAL_CHARGE 0.0 gal	10/18/98 08:04:06	PAINT_BLEND	BLENDER_600	CHGC_BUND600
4 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 3 with Wait	10/18/98 08:04:02	PAINT_BLEND	BLENDER_600	CHGC_BUND600
5 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 2 with Wait	10/18/98 08:03:58	PAINT_BLEND	BLENDER_600	CHGC_BUND600
6 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 1 with Wait	10/18/98 08:00:41	PAINT_BLEND	BLENDER_600	CHGC_BUND600
7 Param Download Verified	CHARGE_AMOUNT 0.0	10/18/98 08:00:37	PAINT_BLEND	BLENDER_600	CHGC_BUND600
8 Recipe Value	CHARGE_AMOUNT 0.0 gal	10/18/98 08:00:37	PAINT_BLEND	BLENDER_600	CHGC_BUND600
9 State Change	State Changed: RUNNING	10/18/98 08:00:37	PAINT_BLEND	BLENDER_600	CHGC_BUND600
10 State Change	State Changed: IDLE	10/18/98 08:00:36	PAINT_BLEND	BLENDER_600	CHGC_BUND600
11 State Change	State Changed: IDLE	10/18/98 08:00:36	PAINT_BLEND	BLENDER_600	CHGC_BUND600
12 State Change	State Changed: COMPLETE	10/18/98 08:00:35	PAINT_BLEND	BLENDER_600	CHGC_BUND600
13 Report	ACTUAL_CHARGE 0.0 gal	10/18/98 08:00:33	PAINT_BLEND	BLENDER_600	CHGC_BUND600
14 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 3 with Wait	10/18/98 08:00:29	PAINT_BLEND	BLENDER_600	CHGC_BUND600
15 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 2 with Wait	10/18/98 08:00:21	PAINT_BLEND	BLENDER_600	CHGC_BUND600
16 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 1 with Wait	10/18/98 08:00:19	PAINT_BLEND	BLENDER_600	CHGC_BUND600
17 Param Download Verified	CHARGE_AMOUNT 5.0	10/18/98 08:00:15	PAINT_BLEND	BLENDER_600	CHGC_BUND600
18 Recipe Value	CHARGE_AMOUNT 5.0 gal	10/18/98 08:00:15	PAINT_BLEND	BLENDER_600	CHGC_BUND600
19 State Change	State Changed: RUNNING	10/18/98 08:00:15	PAINT_BLEND	BLENDER_600	CHGC_BUND600
20 State Change	State Changed: IDLE	10/18/98 08:00:14	PAINT_BLEND	BLENDER_600	CHGC_BUND600
21 State Change	State Changed: IDLE	10/18/98 08:00:14	PAINT_BLEND	BLENDER_600	CHGC_BUND600
22 State Change	State Changed: COMPLETE	10/18/98 08:00:13	PAINT_BLEND	BLENDER_600	CHGC_BUND600
23 Report	ACTUAL_CHARGE 0.0 gal	10/18/98 08:00:11	PAINT_BLEND	BLENDER_600	CHGC_BUND600
24 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 3 with Wait	10/18/98 08:00:07	PAINT_BLEND	BLENDER_600	CHGC_BUND600
25 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 2 with Wait	10/18/98 07:59:48	PAINT_BLEND	BLENDER_600	CHGC_BUND600
26 Phase Link Permissive Sent	1 0 0 0 0 0 Msg Num: 1 with Wait	10/18/98 07:59:46	PAINT_BLEND	BLENDER_600	CHGC_BUND600
27 Param Download Verified	CHARGE_AMOUNT 65.0	10/18/98 07:59:42	PAINT_BLEND	BLENDER_600	CHGC_BUND600
28 Recipe Value	CHARGE_AMOUNT 65.0 gal	10/18/98 07:59:42	PAINT_BLEND	BLENDER_600	CHGC_BUND600
29 State Change	State Changed: RUNNING	10/18/98 07:59:42	PAINT_BLEND	BLENDER_600	CHGC_BUND600
30 State Change	State Changed: IDLE	10/18/98 07:59:41	PAINT_BLEND	BLENDER_600	CHGC_BUND600

Record 30 of 30 pages

09302697 04:29:09

9

# Batch Comparison Chart

Fig 15

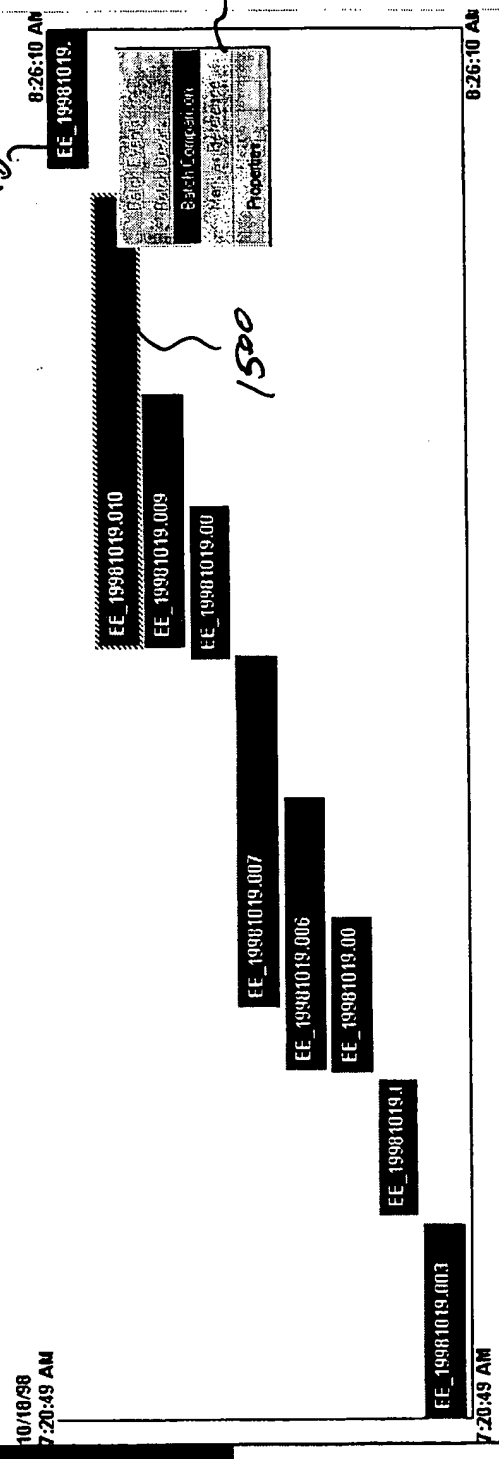
Batch History View - [Batch Overview]

File Edit View Batch Process Batch Events Applications Window Help

default

Batch Overview

10/18/98  
7:20:49 AM



Batch Id

Batch Id	Start Time	End Time	Description	Product	Author	Recipe Version	Scale
EE_19981019.011	10/18/98 08:19:46	10/18/98 08:26:10	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.010	10/18/98 07:57:19	10/18/98 08:18:22	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.009	10/18/98 07:57:12	10/18/98 08:09:06	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.008	10/18/98 07:56:38	10/18/98 08:03:52	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.007	10/18/98 07:40:09	10/18/98 07:56:46	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.006	10/18/98 07:37:13	10/18/98 07:50:05	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.005	10/18/98 07:37:07	10/18/98 07:44:25	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.004	10/18/98 07:30:21	10/18/98 07:36:47	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %
EE_19981019.003	10/18/98 07:20:49	10/18/98 07:29:59	Exterior Paint Blending	AUSTX-78732	DeltaV Batch Demo	1.0	100.0 %

Record 1 of 9  
Compare batch details of two batches. Click to select 2nd batch.

1504

1504

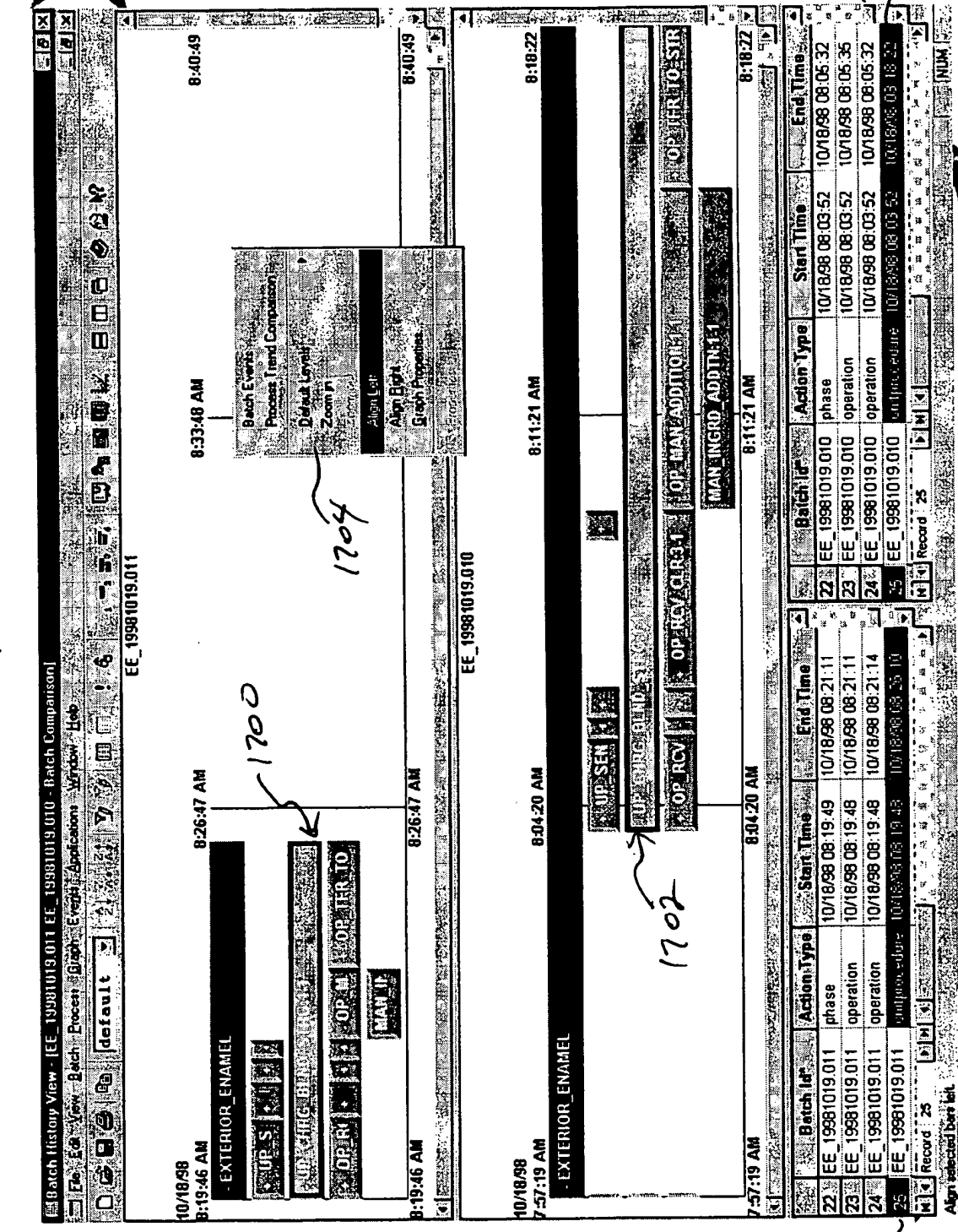
10

09/30/97 - 04/29/99





F16 17



1704

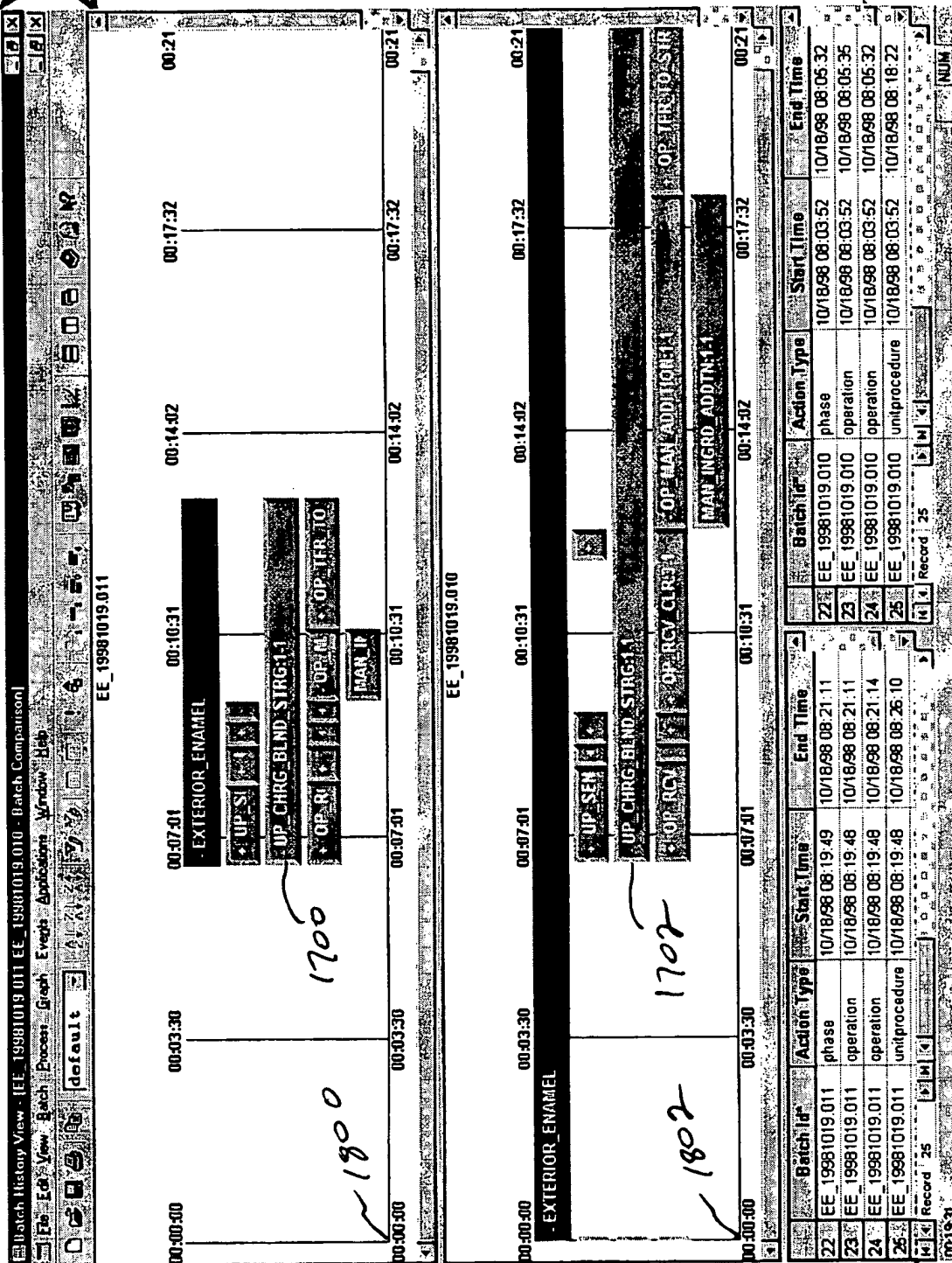


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00302687-042999

FIG 18



09302687 - 042999

13

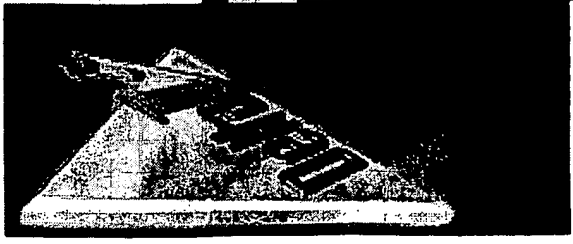
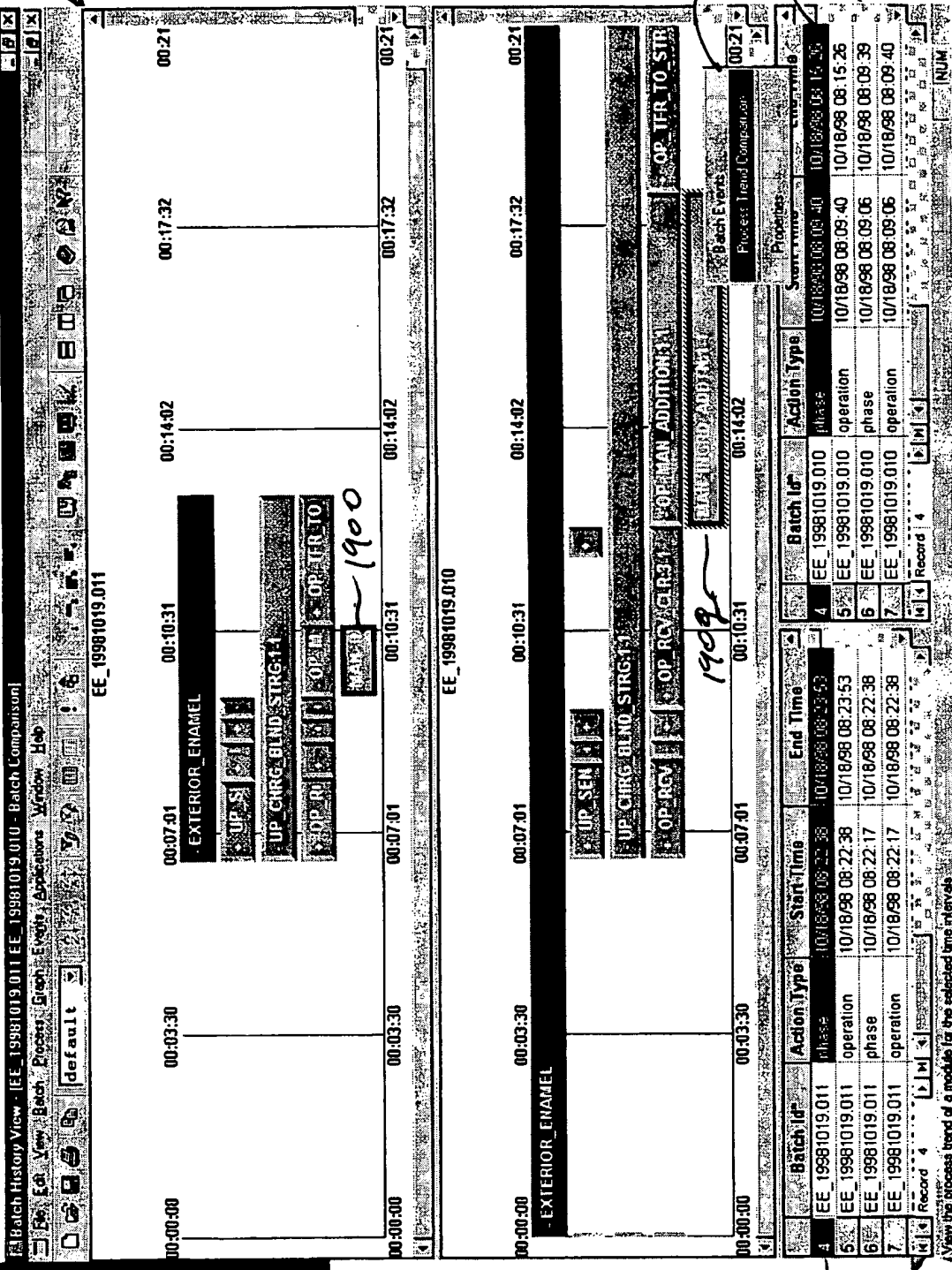


FIG 19

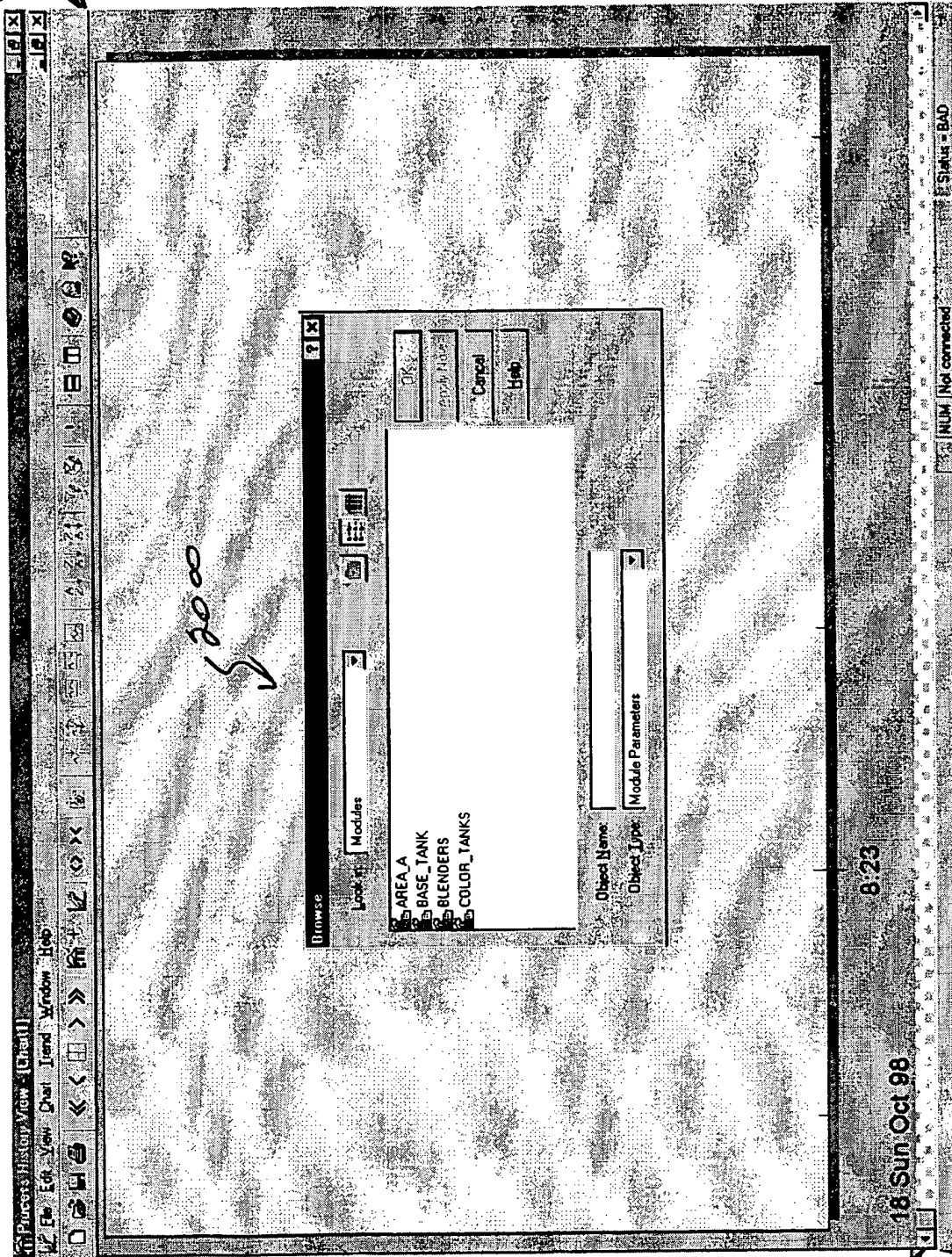
# Trend Comparison Chart



00302687 - 042999

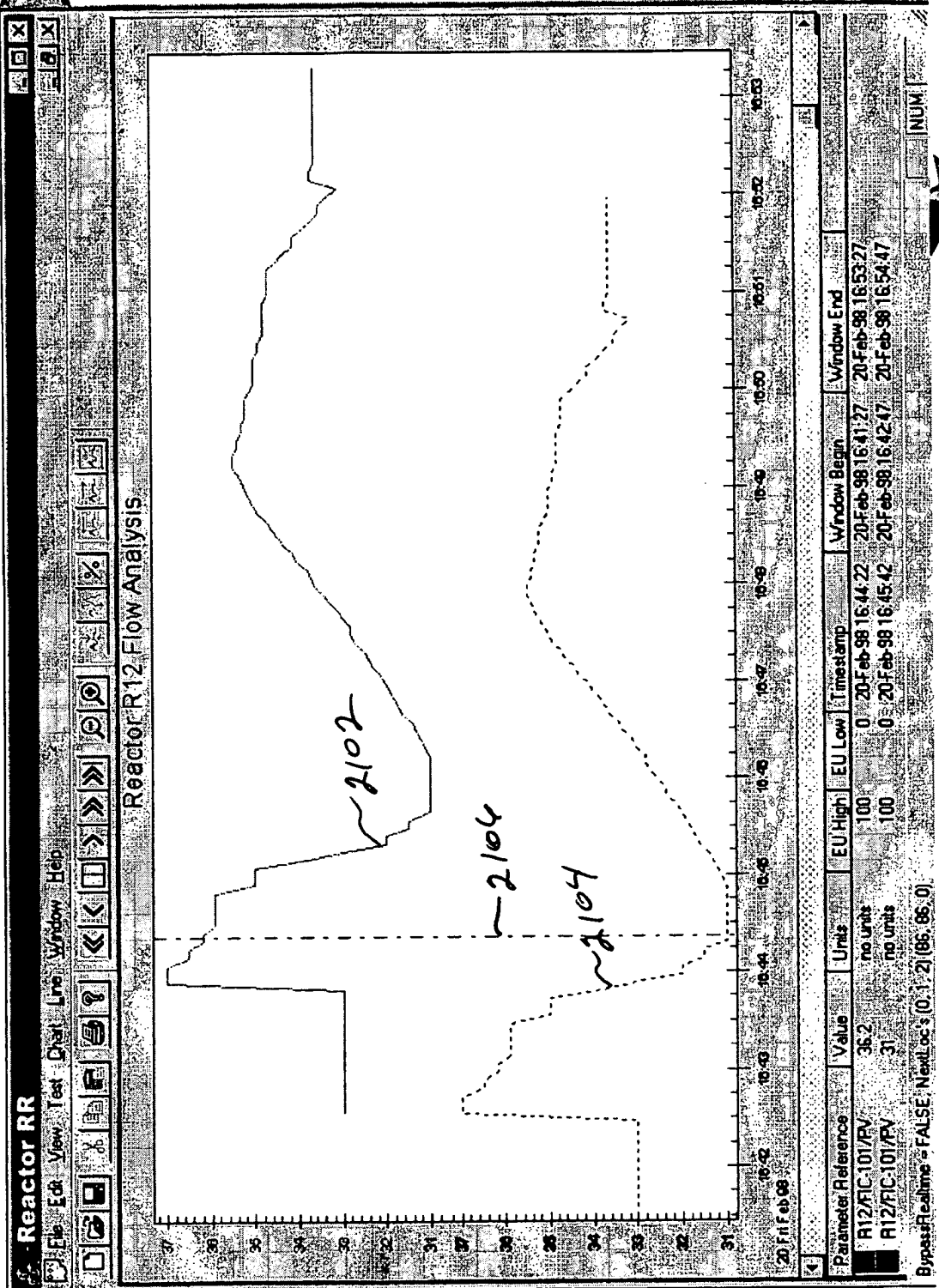
19

FIG 20



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2100



09302697 : 042999

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